ERROR DIFFUSION HALFTONING WITH BANDPASS NOISE SHAPING

ABSTRACT

Error diffusion halftoning includes using a quantizer having an input and an output; and using a system having a bandpass characteristic to modify the quantizer input without feeding the quantizer output directly into the quantizer input. The error diffusion halftoning can produce clustered pixel halftone patterns that can be reliably reproduced by laser printers and other electro-photographic devices.